PROJECT TITLE : CIGARETTE DEVELOPMENT, TECHNICAL REPORT
PERIOD COVERED : January 23rd - February 29th 1980
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335 LOLITA DB K = 10 / N = 0.8

In order to reach the new objectives, 8 versions have been made with the MARLBORO LIGHTS blend (13 % of ET) :

- versions 1, 2, 3 and 4 : without after cut
- versions 5 to 8 : with LARK flavour (standard PM)

Format : 7.975/25/84.4
The filter for this project has been made in FTR with the following specifications :

Total length : 100 mm
Diameter : 7.88 mm
Total RTD : 320 mm WG
Total weight : 1216 gr/1'000
Inner plug : 2.5/48'000 Y (MERIT tow)
Space : 6 mm with 100 mg Pica carbon
Outer tow : 5/54'000 Y
Plug wrap paper : Ecusta 634, mechanically perforated, heat sealing.

The progress report has been established and we are awaiting the Panel A's appraisal (sheet No H-128) for the versions 5 to 8 (1).

Next step : Filter making with Calgon carbon.

335 LOLITA DB K = 13 / N = 0.9

In order to improve the LARK flavour taste (fruity cake) two cigarettes were made in FTR with the MARLBORO PE blend and prototype 13 specifications :

Format : 7.975/20/84.4, dilution 20 %
Filter : Original PSP 20 mm LARK filter (Durham)

The progress report has been established (2).

Note : The version 20 is foreseen for taste improvement by A. Badstuber (flavour development PME) and the version 21 for flavour development by R & D in Richmond.

Next step : Flavour injections.

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250 COCKPIT BLUE CO-reduction and blend change

A trial repetition (Version 94) was made in Munich according to the Pan European trial specification versions No 91 :

Blend : MARLBORO PE (or Italy for Munich)
Paper : Mauduit 110-6 EP
Filter : 3.4/46'000 with FU-POV 40 L
Tipping : Benkert zone perforated Z3/60
Dilution : 15 %

Progress report : established (3).
Panel A : effected, sheet No H-136.
"It gives a good quality taste, soft, mild same direction as previous prototypes. In our opinion this is an improvement".

Next step : 1) Presentation at the next German project Meeting
2) Repetition with a filter length increase from 20 to 21 mm

340 GAMMA DB 4 and 6 mg tar / Product test

Due to the tremendous difficulties to obtain the tipping paper, the product test will be delayed once more.
New delivery date : End of March.

Next step : 1) Better prototypes will be presented to the German Marketing (versions 71 M / 73 D).
2) Prototypes specifications and flavour recipes will be given to G. Völkl as soon as possible.

334 ATLANTIC

MERIT 15 % of ETNA-1 (non US-FC)

The repetion of versions 5 and 6 has been made. The cigarettes are being evaluated by the smoking lab and Panel A.

Prototype specifications

Version	7	8
Format	7.95 / 25 / 84. 4	
Blend	HILTON Sweden/Benelux, batch 843	
Flavour	100 % MERA-AC	
Paper	Mauduit 753 bis	Mauduit 110-6
Tipping	32 mm, zone perforated Z4/100 (MERIT)	

Next step : Progress report.

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AMBASSADOR Step 80.21

In order to accelerate the MAA-ATLANTIC program, two cigarettes were made according to the first step 80.21 cigarette specifications :

Version	6	7
Format	7.975/18/79.4	
Blend	LOS ANGELES MAA, batch 845 (2 % of ETNA-2)	
Paper	Pela 54 M	Fletcher HP 5
Filter	LOS ANGELES, 70 % of Charcoal	
Tipping	Micro-laser 4 M. 0.15, 3 colours	

Results : Cigarettes are being evaluated by the smoking lab and Panel A.

350 PETER PAN L & M First production and diluted prototype Development

The report on the first production carried out in Munich for Italy has been established (4).
A diluted version is in preparation in FTR with the following specifications :

Versions No 8

Format : 7.95/18/79.4
Blend : MLF Pan Europe
Paper : Ecusta 753
Filter : 3.4/46'000 with porous plug wrap FU-POV 40 L
Tipping : Benkert Z3/60

350 PETER PAN LARK First production

The report on the first production carried out in Munich for Italy has been established (5).

192 BELTOISE FR First production

The report on the first production MURATTI EXTRA MILD France has been established (6).
The analytical results and the taste are in order.

342 TAMBAY PHILIP MORRIS SUPER LIGHTS First production

The report on the first production PMS in Munich for France has been established (7).
The smoke yield and the taste are in order.

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233 COUNTRY DB — Porous plug wrap trial

In order to choose the best PPW and to build up a stock as rapidly as possible for the city test, Berlin has carried out two trials on the basis of version 91 S :

Version	102 B	104
Blend	91 S (S for Strips)	91 S
Filter	3.0/43'000 Y	Rhodiaceta 21 mm
PPW	FU-POV 24 K	FU-POV 40 L
Paper	Pela 200	Pela 200

Results : The smoke yield is in favor for the FU-POV 40 L PPW (8).
Panel A : "No decision can be made concerning the FU-POV paper because both cigarettes are below quality and give less MLF character. In general the taste is almost monotoneous and not clean and lively enough".

Next step : The trials will be repeated with a fresh blend in Berlin.

336 MARY — KS air-cured cigarette for Germany

The samples of the trial program in Munich are on the way to Switzerland :

8 versions : 4 with blend storage in MARYLAND wood case (WMB)
4 with blend storage in "Carboard case" (CB)

Next step : Comparisons 1) between WMB and CB trials
2) between FTR trials and Munich

297 HILTON MENTHOL — Dilution concept modification

As soon as the prototype with zone perforated tipping paper Z4/100 is packed with the foil mentholating process, the sample will be submitted to :

Smoke lab
Analytical services (menthol determination)
Panel A

317 PROJECT " M " MILTI 100'S — K decrease (10 mg)

In order to lower the K value, two new filters have been made in FTR and sent to Munich.

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Filter specifications

Version	23	12
Black part (inner)	FU-POV 150 (Both with 70 % of charcoal and 4 % of triacetine)	FU-POV 40 L
White part	5.0/46'000 I	CEE tow with higher RTD
Plug wrap paper	FU-POV 40 L	FU-POV 40 L

Cigarette

Versions 23 and 24 : specifications according to MULTI 100'S (9).

315 NEWCASTLE WN Special trials

Cigarettes with printing die and pack for TV show presentations (London) have been prepared.

314 YORK WN Filter development / DPM = 20 mg

On the special triple filter maker (FTR) a new filter has been developed according to the following specifications :

Plug 1 (inner) = 3.4/46'000 I (5 mm)
Plug 2 (middle) = 5/40'000 X (6 mm) with 30 mg Polygel
Plug 3 (outer) = 3.4/46'000 I (5 mm)

2 x 4'000 filter plugs and 6 L of YK-AC-2 were brought to Illorin for trials and product test purposes.

R. Hirsbrunner

07/03/1980/RAH/cap

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REFERENCES

(1) LOLITA DB, K = 10, progress report from R. Hirsbrunner to W. Tschudin, dated March 4th

(2) LOLITA DB, K = 13, progress report from R. Hirsbrunner to W. Tschudin, dated March 4th

(3) COCKPIT BLUE DB, progress report from R. Hirsbrunner to W. Tschudin, dated March 4th

(4) Report of the first production L & M from R. Hirsbrunner to W. Tschudin, dated March 4th

(5) Report of the first production LARK from R. Hirsbrunner to W. Tschudin, dated March 4th

(6) Report of the first production BELTOISE from R. Hirsbrunner to W. Tschudin, dated January 20th

(7) Report of the first production PHILIP MORRIS SUPER LIGHTS from R. Hirsbrunner to W. Tschudin, dated March 4th

(8) Progress report COUNTRY DB from R. Hirsbrunner to W. Tschudin, dated February 19th

(9) Telex Project "M" from R. Hirsbrunner to G. Völkl, dated March 3rd

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